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(71)Applicant : RIKIDAIN KK

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(72)Inventor : SUGITA KOICHI
YOSHIDA KUSUTARO

(54) AIR-PERMEABLE ADHESIVE TAPE AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an air-permeable adhesive tape, especially one wound in a roll, which undergoes no or little long-term deterioration in air permeability by forming a pressure-sensitive adhesive layer and a porous base or an air-permeable base on a release sheet in the given order and forming air permeation pores containing non-hollow elastic microbeads in the pressure-sensitive adhesive layer.

SOLUTION: As the pressure-sensitive adhesive used to constitute the pressure-sensitive adhesive layer a natural rubber, synthetic rubber or acrylic type one is used. The pressure-sensitive adhesive layer has air permeability, and part or all of its air permeation pores contain non-hollow elastic microbeads to an extent that its permeability is not substantially hampered. The process for producing the air-permeable adhesive tape consists of adding an air permeation agent and optionally a crosslinking agent to a solution of a pressure-sensitive adhesive, uniformly dispersing non-hollow elastic microbeads in the formed uniform dispersion system, applying this dispersion to a release sheet, drying the sheet to form a pressure-sensitive adhesive layer having air permeation pores containing the non-hollow elastic microbeads and laminating the pressure-sensitive adhesive layer with a porous base or an air-permeable base.

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